



**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Frank L. Hall

**Serial No.:** 10/706,575

**Filed:** November 12, 2003

**For:** METHODS FOR PREPARING BALL  
GRID ARRAY SUBSTRATES VIA USE OF  
A LASER

**Confirmation No.:** 6661

**Examiner:** Unknown

**Group Art Unit:** 1725

**Attorney Docket No.:** 2269-4718.1US

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

April 7, 2004  
Date

Signature

Deidra J. Pfeil  
Name (Type/Print)

**PRELIMINARY AMENDMENT**

Mail Stop Non-Fee Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Prior to examination of the above-referenced patent application on the merits, entry of the amendments as set forth herein is respectfully solicited.

**Amendments to the Specification** begin on page 3 of this paper.

**Amendments to the Claims** are reflected in the listing which begins on page 6 of this paper.

**Amendments to the Drawings** appear on page 9 of this paper and include both an attached replacement sheet and an annotated sheet showing changes.

**Remarks** begin on page 10 of this paper.

An **Appendix** including amended drawing figures is attached following page \_ of this paper.